



Transportation

USE OF INDUSTRIAL CARTS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

OPR: 919 LSS/LGL (SMSgt Larry R. Hendren)

Certified by: 919 LG/CC
(Lt Col Olin T. Carpenter)

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This instruction establishes responsibilities and prescribes procedures relative to the upkeep and use of assigned industrial carts. This applies to all units within the 919th Special Operations Wing (919 SOW) that operate and/or maintain industrial carts. It implements AFD 24-3, *Operations, Maintenance, and Use Of Transportation Vehicles and Equipment*. The following instructions provide guidance and establish operating procedures: AFI 24-301, *Vehicle Operations*, and use of motor vehicles, AFJMAN 24-306, *Manual for Wheeled Vehicle Driver*, AFDTCI 13-203, *Control and Operation of Vehicles on Eglin AFB Flightlines*.

1. Industrial Carts: All industrial carts are for official use only. The instructions pertaining to government motor vehicle (GMV) abuse, misuse, and modifications will apply.

2. Use of Carts:

2.1. Carts will be restricted from operating on installation roadways with a speed limit in excess of 25 mph.

3. Cart Inspections, Maintenance, and Servicing:

3.1. Maintenance and servicing will be completed in accordance with the owner's operating/servicing manual.

3.2. The user will complete pre-use inspections using the servicing manual checklist . This inspection need not be annotated on AFTO 244, **Industrial/Support Equipment Record**, maintained with the unit.

3.3. The AFTO 244 will be utilized to monitor periodic requirements. The owning work center or designated representative will monitor the periodic service inspection schedule for assigned carts. They will ensure periodic inspections are complied with and annotated on the AFTO 244. Automated tracking may also be used to assist in the monitoring of requirements.

3.4. The periodic inspections are conducted in accordance with the owners servicing manual at specified intervals such as monthly, quarterly, semi-annually, and annually.

3.5. Refueling with unleaded gasoline will be done at the Duke Field gas station (POL).

4. SAFETY:

4.1. When parked, the carts will:

4.1.1. Have hill/parking brake set.

4.1.2. Use emergency warning flashers when parked on the flight line during darkness or inclement weather.

4.1.3. Have ignition key turned to off and will remain in ignition.

4.1.4. Place forward and reverse lever in neutral position to avoid unintentional starting. Carts without neutral position will place the direction lever in the forward position.

4.2. A maximum of two occupants per cart. No occupants will ride in the bed portion of the cart.

4.3. Operator certification will be accomplished by the owning work center or a designated representative. It will be their responsibility to train and test operators before certification. Requirements of AFI 24-301 must be met to certify operators. All operators of industrial/carts will have documented flight line drivers training before operating the carts on the flight line.

4.4. Carts will have a beacon light installed, to be used during hours of darkness or inclement weather in flight line areas, or when visibility by other vehicles may be limited.

4.5. Reflector tape must be installed on front, rear, and both sides of the cart to increase visibility.

4.6. Occupant protection requirements such as seat belts, rollover protection, etc. are not needed , nor recommended if the vehicle is not designed for their installation.

4.7. Avoid top heavy loads. The center of gravity of a load should never exceed 15 inches above the floor of the cargo bed.

5. Towing:

5.1. Industrial carts used for towing will have the maximum tongue weight and maximum towing weight stenciled near the pintle hook.

5.2. Personnel must be trained on towing with industrial carts by reading and understanding the information in the preceding paragraph.

5.3. Personnel using carts for towing must use extreme caution and comply with the following:

5.3.1. Reduce normal operating speed (Do not exceed 10 MPH while towing).

5.3.2. Be familiar with and adhere to towing limits outlined in attachment 1. (Maximum towing capacity includes weight in cargo bed.)

5.3.3. Perform towing within the confines of the flight line and flight line perimeter road only.

5.3.4. Do not allow anyone to ride on equipment being towed.

5.3.5. Avoid sudden starts, and tight turns when towing.

6. Training:

6.1. Each group commander will designate by letter, all trainers for driving or towing industrial carts.

6.2. Each trainer will maintain a lesson plan for drivers training and, if required, towing training.

6.2.1. All training will be certified on an AF Form 483, **Certificate of Competency**, using the information in attachment 2 as required.

6.2.2. Personnel operating on the flight line must also possess a US Air Force motor vehicle operator's identification card with Duke flight line certification.

THOMAS M. STOGSDILL, Colonel, USAFR
Commander

ATTACHMENT 1
INDUSTRIAL CARTS DRAWBAR PULL CHART FOR TRAILING LOADS

MAKE	TONGUE WEIGHT	MAX GROSS TRAILING LOADS
EZ-GO 2 Cycle 7.5 GX I 800	150 LBS	1,100 LBS
EZ-GO 4 Cycle 8.5 HP 9.0 HP GX 1 804	150 LBS	1,100 LBS
CLUB CAR Carry All 11 11 BP 4 Cycle	150 LBS	1,100 LBS
GATOR 4X2	100 LBS	750 LBS

THE CHART BELOW CONTAINS A LIST OF THE ONLY EQUIPMENT AUTHORIZED TO BE TOWED WITH THE INDUSTRIAL CARTS:

GROUND SUPPORT EQUIPMENT	WEIGHT
150LB HALON FIRE EXTINGUISHER	325 LBS
*B-1 STAND	1100 LBS
B-4 STAND	570 LBS
B-5 STAND	750 LBS
A/C RADOME DOLLY	640 LBS EMPTY, 840 LBS WITH RADOME*
A/C PROP DOLLY	575 LBS EMPTY ONLY
*A/C TOW BAR	980 LBS
A/C AXLE JACK	350 LBS
A/C NOSE JACK	750 LBS
A/C TIRE DOLLY	240 LBS EMPTY, 642 LBS WITH TIRE
A/C GTC STAND	520 LBS EMPTY, 722 LBS WITH GTC
A/C SOAP-CART	740 LBS
A/C HYD SERVICING CART	300 LBS

***CANNOT BE TOWED WITH GATOR**

NOTE: TOWING WILL BE DONE ON LEVEL SURFACES ONLY (I.E. AIRCRAFT PARKING RAMP) ALL TOWING OF GROUND SUPPORT EQUIPMENT MUST COMPLY WITH ALL AFOSH STANDARDS AND TECH ORDER REQUIREMENTS.

ATTACHMENT 2
SAMPLE AF FORM 483

CERTIFICATE OF COMPETENCY		CERTIFICATE NO. N/A
NAME (Last, First, Middle Initial)		DATE
COMMAND AFRC	INSTALLATION DUKE FIELD, FL	
HAS SUCCESSFULLY COMPLETED THE PRESCRIBED COURSE OF INSTRUCTION AND/OR PRACTICAL TEST AS REQUIRED BY CURRENT DIRECTIVES AND IS DEEMED QUALIFIED TO PERFORM THE DUTIES OF INDUSTRIAL CART OPERATOR		
TYPED NAME, TITLE AND ORGN		SIGNATURE

PREVIOUS EDITION WILL BE USED.

AF FORM 483, FEB 85 (EF-V1)